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| (74) Agent            | Sang-U Lee      | (72) Inventor | Jun-Mo Jeong |
| (71) Applicant        | Jun-Mo Jeong    |               |              |

**Examination Requested : Requested**

(54) INPUT METHOD FOR KOREAN VOWEL BY USING CROSS TYPE BUTTON IN A CELLULAR PHONE

**Abstract**

Machine Translation

Human Translation

1 The present invention relates to the input method for Korean vowel of the hand phone using the cross type button, particularly, to the input method for Korean vowel of the cross type button 42nd binary term of period: \*\*\* hand phone a user easily recognizes the order of a vowel since being arranged in the cross type button on the hand phone according to the form of a vowel the respective 5 with allocation, and also, it is more easy in the hangul input, and a speed rapidly inputs a character, the order has the purpose, and it forms the cross type button into the keypad upper as to the publicly known hand phone in which a number and consonant of Hangeul are distributed in the button formed in a keypad, and it allocates and arranges ㅏ, ㅑ, ㅓ, ㅕ, ㅗ vowel among the cross type button in the phase button, and it allocates and arranges ㅓ, ㅕ, ㅗ vowel in the right button, and it allocates and arranges ㅓ, ㅕ, ㅗ vowel in under button, and it allocates and arranges ㅓ, ㅕ, ㅗ vowel in the left button, and after it allocates and arranges ㅓ, ㅕ, ㅗ vowel and it presses the button corresponding to the consonant of a keypad in the middle button in the hangul input, it is the input method for Korean vowel of the hand phone using the cross type button which can form a character since looking at 5 azimuthal button position of the cross type button in which the vowel corresponding to is arrange and finding according to an order and pressing, and if it takes the use case of the hangul input, after it presses the button "ㅓ" which is the consonant of the , keypad "ㅓ" after pressing the button which is the consonant c a keypad in case of "pig" and pressing the phase button of the cross type button at a stretch and inputting a vowel after an input and a user inputs, it arranges the middle button of the cross type button in the very simple method in which Hangul is completed with input in the cross type button only a vowel to the respective by type in 5 direction with allocation if it inputs \*\*\* "ㅓ" vowel and a user easily recognizes the order of a vowel, and also, which can be more easy in the hangul input, and which accordingly a user can input to an overspeed.

▶ **Representative Drawing(s)**

Fig. 2

▶ **Keyword(s)**

Hand phone, keypad, button, cross type button, hangul input, consonant, vowel, 5 direction, phase, , left, right, middle button.

☺ **Description**

▶ **Brief explanation of the drawing**

- 2 Fig. 1 is a perspective view of the hand phone
- 3 Fig. 2 is an example diagram showing the character alignment relation of the consonant which is according to the present invention, and a vowel
- 4 Fig. 3 is an example diagram showing the state a vowel being arranged in the present invention cross type button allocation
- 5 <The description of reference numerals of the main elements in drawings>
- 6 10: cross type button.
- 7 11: the phase button in which ㅏ, ㅑ, ㅓ, ㅕ, ㅗ vowel is arranged with allocation.
- 8 12: the right button in which ㅓ, ㅕ, ㅗ, ㅛ vowel is arranged with allocation.
- 9 13: under button in which ㅓ, ㅕ, ㅗ, ㅛ, ㅜ vowel is arranged with allocation.
- 10 14: the left button in which ㅓ, ㅕ, ㅗ, ㅛ vowel is arranged with allocation.
- 11 15: the middle button in which ㅣ, ㅡ, and ㅜ vowel are arranged with allocation.
- 12 200: keypad.

▶ **Details of the Invention**

▶ **Purpose of the Invention**

The Technical Field to which the Invention Belongs and the Prior Art in that Field

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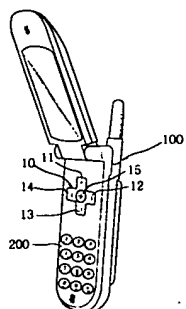
The present invention relates to the input method for Korean vowel of the hand phone using the cross type button, particularly, to the input method for Korean vowel of the hand phone forms the cross type button into the upper button which a number and consonant of Hangeul are distributed in the button formed in the keypad of the hand phone so that user easily recognizes the order of a vowel since allocating and arranging a vowel according to the direction in which it has the point in a phase, the right, , a left, the middle button of the cross type button, and also, it assigns more consonant to the numeric button not to be overlapped and in which the whole hangul input is more easy, and cross type button in which a speed rapidly can complete Hangul with input. And generally, there can be the inconvenient problem of being many it does not pass by through the extent of somewhat changing an arrangement still shares a vowel and consonant within the button of a dozen the of very difficultly making the input method for Korean alphabet big problem had many improvement it solved this it consisted of the problem the share of a button described above delays the time in the hangul input it uses the different vowel and consonant share one button

consonant and vowel are altogether allocated in the button of a dozen it is made as the keypad for inputting Korean character is the number key button of 10 and \* display key button and # display key button in order to use the additional service including the short message service etc. for the hand phone, the small keypad for inputting character for the hangul input is equipped.

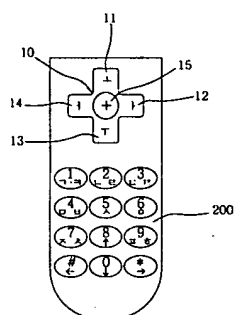
#### Technical challenges of the Invention

- 15 The present invention relates to the input method for Korean vowel of the hand phone which invents in order to solve the conventional problem as described above, and a user easily recognizes the order of a vowel since the ob, present invention being arranged in the cross type button of the hand phone according to the form of a vowel respective 5 with allocation, and also, it is more easy in the hangul input, and a speed rapidly inputs a character order has the purpose, and it forms the cross type button into the keypad upper as to the publicly known hangul in which a number and consonant of Hangeul are distributed in the button formed in a keypad, and it allocates and arranges ㅏ, ㅑ, ㅓ, ㅕ, ㅗ vowel among the cross type button in the phase button, and it allocates and arranges ㅛ, ㅜ, ㅟ vowel in the right button, and it allocates and arranges ㅜ, ㅠ, ㅑ, ㅓ, ㅓ vowel in under button, and allocates and arranges ㅓ, ㅓ, ㅓ, ㅓ vowel in the left button, and after it allocates and arranges ㅣ, ㅡ, and ㅓ and it presses the button corresponding to the consonant of a keypad in the middle button in the hangul input at 5 azimuthal button position of the cross type button in which the vowel corresponding to is arranged and uses the cross type button which can form a character since finding according to an order and press "ㅓ"ing, and if the order of the hangul input is taken, after the button which is the consonant of a keypad being pressed in case of "ㅓ" phase button of the cross type button being pressed at a stretch and inputting a vowel after an input, the button is the consonant of the keypad is pressed and it inputs, if \*\*\* "ㅣ" vowel is inputted, the middle button of the cross type button is arranged in the very simple method in which Hangul is completed with input in the cross type button by a vowel to the respective by type in 5 direction with allocation and a user easily recognizes the order of a vowel the method is more easy in the hangul input. It is the invention about the input method for Korean vowel of the cross type button 42nd binary term of periods \*\*\* hand phone "ㅓ" which accordingly it can input to an overspeed.

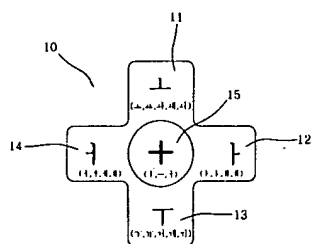
#### ▶ Structure & Operation of the Invention



● Fig. 1



● Fig. 2



● Fig. 3